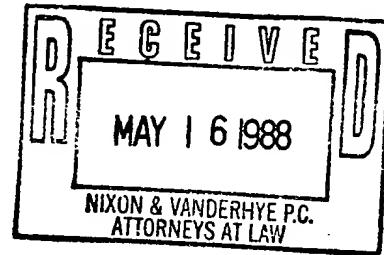




UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



TO: NIXON & VANDERHYE
2000 NORTH 15TH STREET, STE. 409
ARLINGTON, VA 22201

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME
NUMBER REFERENCED BELOW. A DIGEST OF THE DOCUMENT HAS ALSO BEEN MADE
AND APPEARS IN THE OFFICE'S RECORDS AS SHOWN:

ASSIGNOR: 001 SOUDA, SHIGERU	DOC DATE: 10/26/87
ASSIGNOR: 002 UEDA, NORIHIRO	DOC DATE: 10/26/87
ASSIGNOR: 003 MIYAZAWA, SHUHEI	DOC DATE: 10/26/87
ASSIGNOR: 004 TAGAMI, KATSUYA	DOC DATE: 10/26/87
ASSIGNOR: 005 NOMOTO, SEIICHIRO	DOC DATE: 10/26/87
ASSIGNOR: 006 OKITA, MAKOTO	DOC DATE: 10/26/87
ASSIGNOR: 007 SHIMOMURA, NAOYUKI	DOC DATE: 10/26/87
ASSIGNOR: 008 KANEKO, TOSHIHIKO	DOC DATE: 10/26/87
ASSIGNOR: 009 FUJIMOTO, MASATOSHI	DOC DATE: 10/26/87
ASSIGNOR: 010 MURAKAMI, MANABU	DOC DATE: 10/26/87
ASSIGNOR: 011 OKETANI, KIYOSHI	DOC DATE: 10/26/87
ASSIGNOR: 012 FUJISAKI, HIDEAKI	DOC DATE: 10/26/87
ASSIGNOR: 013 SHIBATA, HISASHI	DOC DATE: 10/26/87
ASSIGNOR: 014 WAKABAYASHI, TSUNEO	DOC DATE: 10/26/87

RECORDATION DATE: 11/10/87 NUMBER OF PAGES 001 REEL/FRAME 4812/0449

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE: 501 EISAI CO., LTD., 6-10, KOISHIKAWA 4-CHOME, BUNKYO-KU, TOKYO, JAPAN

SERIAL NUMBER 7-119386 FILING DATE 11/10/87
PATENT NUMBER ISSUE DATE 00/00/00

TITLE OF INVENTION: PYRIDINE DERIVATIVES HAVING ANTI-ULCERATIVE ACTIVITY

INVENTOR: 001 SOUDA, SHIGERU
INVENTOR: 002 UEDA, NORIHIRO
INVENTOR: 003 MIYAZAWA, SHUHEI

CONTINUED 4812/0449



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

INVENTOR: 004 TAGAMI, KATSUYA
INVENTOR: 005 NOMOTO, SEIICHIRO
INVENTOR: 006 OKITA, MAKOTO
INVENTOR: 007 SHIMOMURA, NAOYUKI
INVENTOR: 008 KANEKO, TOSHIHIKO
INVENTOR: 009 FUJIMOTO, MASATOSHI
INVENTOR: 010 MURAKAMI, MANABU
INVENTOR: 011 OKETANI, KIYOSHI
INVENTOR: 012 FUJISAKI, HIDEAKI
INVENTOR: 013 SHIBATA, HISASHI
INVENTOR: 014 WAKABAYASHI, TSUNEO

(Sole or Joint)
(Excluding Foreign Rights)

WHEREAS, we, Shigeru SOUDA, Norihiro UEDA, Shuhei MIYAZAWA, Katsuya TAGAMI, ASSIGNMENT Seiichiro NOMOTO, Makoto OKITA, Naoyuki SHIMOMURA, Toshihiko KANEKO, Masatoshi FUJIMOTO, Manabu MURAKAMI, Kiyoshi OKETANI, Hideaki FUJISAKI, Hisashi SHIBATA and Tsuneo WAKABAYASHI residing at 1271-317, Usukumachi, Ushiku-shi, Ibaraki, Japan; Mezon Gakuen 205, 23-5, Amakubo 2-chome, Sakuramura, Niihari-gun, Ibaraki, Japan; B-202, 8-17, Hakusan 6-chome, Toride-shi, Ibaraki, Japan; 1068, Sawabe, Niiharimura, Niihari-gun, Ibaraki, Japan; 134-2, Kariyacho 1-chome, Ushiku-shi, Ibaraki, Japan; Yuhara mansion 303, 110-8, Chaza Arakawaoki, Tsuchiura-shi, Ibaraki, Japan; Mezon Gakuen 207, 23-5, Amakubo 2-chome, Sakuramura, Niihari-gun, Ibaraki, Japan; Sejuru Kasuga 202, 10-20, Kasuga 4-chome, Yatabemachi, Tsukuba-gun, Ibaraki, Japan; 5-4, Toukoudai 2-chome, Toyosatomachi, Tsukuba-gun, Ibaraki, Japan; 257 Congressional Lane, #114, Rockville, Maryland 20852 U.S.A.; 9-16, Toukoudai 1-chome, Toyosatomachi, Tsukuba-gun, Ibaraki, Japan; 24-2, Umezono 2-chome, Sakuramura, Niihari-gun, Ibaraki, Japan; Yuhara mansion 205, 110-8, Chaza Arakawaoki, Tsuchiura-shi, Ibaraki, Japan; 368, Motoyoshidamachi, Mito-shi, Ibaraki, Japan,

respectively, have invented certain new and useful improvements in

PYRIDINE DERIVATIVES HAVING ANTI-ULCERATIVE ACTIVITY

for which an application for United States Letters Patent was signed by us on even-
date herewith;

WHEREAS, Eisai Co., Ltd. having
a place of business at 6-10, Koishikawa 4-chome, Bunkyo-ku,
Tokyo, Japan, hereinafter called the "Assignee", is desirous of acquiring
our entire right, title and interest in and to said invention and in and to any Letters
Patent that may be granted therefor in the United States and its territorial possessions.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other
valuable considerations, the receipt whereof is hereby acknowledged, we, the said Shigeru
SOUDA, NORIHIRO UEDA, SHUHEI MIYAZAWA, KATSUYA TAGAMI, SEIICHIRO NOMOTO, MAKOTO OKITA, NAOYUKI
SHIMOMURA, TOSHIHIKO KANEKO, MANABU MURAKAMI, KIYOSHI OKETANI, HIDEAKI FUJISAKI,
WAKABAYASHI, HISASHI SHIBATA and TSUNEZO WAKABAYASHI, have sold, assigned and transferred, and by these presents do sell, assign, transfer
and confirm in and to said Assignee our full and exclusive right to the said invention
in the United States and its territorial possessions and our entire right,
title and interest in and to said application and any and all Letters Patent which
may be granted therefor in the United States and its territorial possessions and in
and to any and all divisions, reissues, continuations and extensions thereof.

hereby authorize and request the Patent Office Officials in the United States
to issue any and all of said Letters Patent, when granted, to said Assignee for the
sole use and behoof of the said Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hand(s) and seal(s).

Signed this 26th day of October, 1987

Shigeru SOUDA
Shigeru SOUDA
Katsuya TAGAMI
Katsuya TAGAMI
Naoyuki SHIMOMURA
Naoyuki SHIMOMURA
Manabu MURAKAMI
Manabu MURAKAMI
Hisashi SHIBATA
Hisashi SHIBATA

Norihiro UEDA
Norihiro UEDA
Seiichiro NOMOTO
Seiichiro NOMOTO
Toshihiko KANEKO
Toshihiko KANEKO
Kiyoshi OKETANI
Kiyoshi OKETANI
Tsuneo WAKABAYASHI
Tsuneo WAKABAYASHI

Shuhei MIYAZAWA
Shuhei MIYAZAWA
Makoto OKITA
Makoto OKITA
Masatoshi FUJIMOTO
Masatoshi FUJIMOTO
Hideaki FUJISAKI
Hideaki FUJISAKI

REEL 4812 FRAME 49
State of _____) ss.
County of _____)
On this _____ day of _____, 19_____, personally appeared before me the
above-named _____, to me known and
known to me to be the person(s) described in and who executed the foregoing instrument
and acknowledged the same to be a free act and deed.

(SEAL)

Notary Public

RECORDED
PATENT & TRADEMARK OFFICE
My Commission Expires

NOV 10 1987

State of _____) ss.
County of _____)
On this _____ day of _____, 19_____, personally appeared before me the
above-named _____, to me known and
known to me to be the person(s) described in and who executed the foregoing instrument
and acknowledged the same to be a free act and deed.

(SEAL)

Notary Public

(Single or Joint)
(Excluding Foreign Rights)

WHEREAS, we, Shigeru SOUDA, Norihiro UEDA, Shuhei MIYAZAWA, Katsuya TAGAMI, A S S I G N M E N T Seiichiro NOMOTO, Makoto OKITA, Naoyuki SHIMOMURA, Toshihiko KANEKO, Masatoshi FUJIMOTO, Manabu MURAKAMI, Kiyoshi OKETANI, Hideaki FUJISAKI, Hisashi SHIBATA and Tsuneo WAKABAYASHI residing at 1271-317, Ushikumachi, Ushiku-shi, Ibaraki, Japan; Mezon Gakuen 205, 23-5, Amakubo 2-chome, Sakuramura, Niihari-gun, Ibaraki, Japan; B-202, 8-17, Hakusan 6-chome, Toride-shi, Ibaraki, Japan; 1068, Sawabe, Niiharimura, Niihari-gun, Ibaraki, Japan; 134-2, Kariyacho 1-chome, Ushiku-shi, Ibaraki, Japan; Yuhara mansion 303, 110-8, Ohaza Arakawaoki, Tsuchiura-shi, Ibaraki, Japan; Mezon Gakuen 207, 23-5, Amakubo 2-chome, Sakuramura, Niihari-gun, Ibaraki, Japan; Sejuru Kasuga 202, 10-20, Kasuga 4-chome, Yatabemachi, Tsukuba-gun, Ibaraki, Japan; 5-4, Toukoudai 2-chome, Toyosatomachi, Tsukuba-gun, Ibaraki, Japan; 257 Congressional Lane, #114, Rockville, Maryland 20852 U.S.A.; 9-16, Toukoudai 1-chome, Toyosatomachi, Tsukuba-gun, Ibaraki, Japan; 24-2, Umezono 2-chome, Sakuramura, Niihari-gun, Ibaraki, Japan; Yuhara mansion 205, 110-8, Ohaza Arakawaoki, Tsuchiura-shi, Ibaraki, Japan; 368, Motoyoshidamachi, Mito-shi, Ibaraki, Japan,

respectively , have invented certain new and useful improvements in PYRIDINE DERIVATIVES HAVING ANTI-ULCERATIVE ACTIVITY

for which an application for United States Letters Patent was signed by us on even-date herewith;

WHEREAS, Eisai Co., Ltd. , having a place of business at 6-10, Koishikawa 4-chome, Bunkyo-ku, Tokyo, Japan , hereinafter called the "Assignee", is desirous of acquiring our entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and its territorial possessions.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable considerations, the receipt whereof is hereby acknowledged, we, the said Shigeru SOUDA, Norihiro UEDA, Shuhei MIYAZAWA, Katsuya TAGAMI, Seiichiro NOMOTO, Makoto OKITA, Naoyuki FUJISAKI, Hisashi SHIBATA and Tsuneo WAKABAYASHI Manabu MURAKAMI, Kiyoshi OKETANI, Hideaki FUJISAKI have sold, assigned and transferred, and by these presents do sell, assign, transfer and confirm in and to said Assignee our full and exclusive right to the said invention in the United States and its territorial possessions and our entire right, title and interest in and to said application and any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations and extensions thereof.

hereby authorize and request the Patent Office Officials in the United States to issue any and all of said Letters Patent, when granted, to said Assignee for the sole use and behoof of the said Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hand(s) and seal(s).

Signed this 26th day of October, 1987

REEL 4812 FRAME 19

Shigeru Souda
Shigeru SOUDA
Katsuya Tagami
Katsuya TAGAMI
Naoyuki Shimomura
Naoyuki SHIMOMURA
Manabu Murakami
Manabu MURAKAMI
Hisashi Shibata
Hisashi SHIBATA

Norihiro Ueda
Norihiro UEDA
Seiichiro Nomoto
Seiichiro NOMOTO
Toshihiko Kaneko
Toshihiko KANEKO
Kiyoshi Oketani
Kiyoshi OKETANI
Tsuneo Wakabayashi
Tsuneo WAKABAYASHI

Shuhei Miyazawa
Shuhei MIYAZAWA
Makoto Okita
Makoto OKITA
Masatoshi Fujimoto
Masatoshi FUJIMOTO
Hideaki Fujisaki
Hideaki FUJISAKI

State of)
County of) ss.
On this _____ day of _____, 19____, personally appeared before me the

above-named _____, to me known and known to me to be the person(s) described in and who executed the foregoing instrument and acknowledged the same to be free act and deed.

(SEAL)

Notary Public

RECORDED
PATENT & TRADEMARK OFFICE
My Commission Expires

NOV 10 1987

State of)
County of) ss.
On this _____ day of _____, 19____, personally appeared before me the

above-named _____, to me known and known to me to be the person(s) described in and who executed the foregoing instrument and acknowledged the same to be free act and deed.

(SEAL)

Notary Public

My Commission Expires